

AMENDMENTS TO THE SPECIFICATION

Please enter the following amendment to the Specification:

Please replace the paragraph on page 17, lines 14 through 18 with the following paragraph:

Fig. 3 depicts, in sectional view, an arrangement of the head-cooling device 1. The head cooling device 1 has a head cap 15 having an inner wall 19 having an inner surface 102, an outer wall 24 having an outer surface 104, fluid channels 18 formed between inner wall 19 and outer wall 24, and fluid jets 20 formed in ~~outer wall 24~~ inner wall 19 over fluid channels 18.

Please replace the paragraph on page 18, line 17 through page 19 line 4 with the following paragraph:

Fluid channels 18 distribute cooling fluid substantially throughout the head cap 15 and communicate cooling fluid from infusion manifold 16 to, in one arrangement, fluid jets 20 that direct streams of cooling fluid at an angle substantially normal to the scalp of the patient. The fluid channels 18, in one arrangement, are ~~[[be]]~~ configured in a radial fashion where each channel 18 originates at the infusion manifold 16 and terminates prior to the aspiration channel 21 as shown. In another arrangement, the fluid channels 18 are configured as a series of circumferential channels in combination with radial channels. The fluid channels 18 are configured to provide distribution of cooling fluid through a substantially even distribution of fluid jets 20 throughout the head cap 15. In one arrangement, the fluid jets 20 are formed as perforations or holes in the inner wall 19 and are closed until pressure is applied. For example, the holes have a major diameter between approximately 0.005 and 0.030 inches. The fluid channels 18 provide distribution of the fluid to the patient's head such that the thickness or distribution of the hair on the head, face, or neck of the patient does not substantially affect (e.g., limit) cooling of the patient's head (e.g., does not substantially affect induction of hypothermia).